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(FILE 'HOME' ENTERED AT 09:33:38 ON 25 JUN 2004)

FILE 'CPLUS' ENTERED AT 09:33:44 ON 25 JUN 2004

L1 16462 S (NUDE OR SCID) (W) (MICE OR MOUSE)
L2 489 S L1 AND PROSTATE CANCER
L3 198 S L2 AND (XENOGRAFT? OR GRAFT?)
L4 0 S L3 AND INTRAPROSTATE
L5 2 S L3 AND INTRAPROSTAT?
L6 1 S L3 AND BONE MARROW
L7 34 S L3 AND PROSTATIC

=>

mammalian model to study the cascade of interactions between **xenografted** cells and the host system.

L3 ANSWER 10 OF 158 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 7
AB Bone metastasis is commonly found in **prostate** cancer (PC) patients. Although the mechanisms for the recurrence of bone metastasis-derived PC during medical or surgical castration therapy are still unclear because of the lack of suitable exptl. models, one hypothesis is that enhanced androgen receptor (AR) signaling causes androgen-refractory PC growth. To test this hypothesis, the authors first established a novel androgen-refractory MDA PCa 2b cell subline, MDA PCa 2b-hr, which was generated in vitro from bone metastasis-derived, androgen-dependent MDA PCa 2b human PC cells after .apprx.35 wk of growth suppression by androgen-depletion treatment to mimic the clin. PC recurrence during androgen-ablation therapy. The changes of the androgen responsiveness of growth and the AR expression levels during the transition from an androgen-dependent to androgen-refractory proliferative phase through a temporal growth-suppressed phase precisely paralleled that of the basal growth rate. Furthermore, the androgen-refractory growth of MDA PCa 2b-hr cells in androgen-depleted medium was suppressed by an antiandrogen, bicalutamide. Next, the authors established nude mouse **xenograft** models to clarify whether AR signaling in MDA PCa 2b-hr cells is also enhanced in vivo. Both the MDA PCa 2b and MDA PCa 2b-hr tumors grew in gonadally intact mice, but only the MDA PCa 2b-hr tumors grew in castrated mice. The growth rate of MDA PCa 2b-hr tumors was significantly higher in gonadally intact mice than in castrated mice. Treatment with dehydroepiandrosterone pellets, which produced clin. castration levels of serum testosterone, accelerated the MDA PCa 2b-hr but not MDA PCa 2b tumor growth in castrated mice and increased blood prostate-specific antigen levels in castrated mice bearing MDA PCa 2b-hr tumors but not in mice bearing MDA PCa 2b tumors. The authors' data suggest that the enhanced AR signaling should be closely correlated with the androgen-refractory growth of human bone metastasis-derived PC, which might come to use adrenal androgens remaining in the blood even after castration therapy and warrant the continuation of hormone therapy for the recurrent PC.

mouse x model

=> search ((locally advanced) or (metasta?)) and ((prostate cancer) and (mouse model#) and (xenogra?))

1 FILES SEARCHED...

L4 51 ((LOCALLY ADVANCED) OR (METASTA?)) AND ((PROSTATE CANCER) AND (MOUSE MODEL#) AND (XENOGRA?))

=> remove

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The DELETE command is used to remove various items stored by the system.

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Examples:

DELETE BIO?/Q
DELETE ?DRUG/A

- delete query names starting with BIO
- delete answer set names ending with DRUG